

List of Sensors / Actuators Available

Note:

1. **Warning:** Be careful with whitespaces on copy/paste topics.
2. All actuators have:
 - a queue where receive commands with the following format: **TOPIC/command**
 - a GET request where it is retrieved the current status of the device with the following format: <http://sensors-fake.server:3000/TOPIC/status>
 - E.g. `{"topic":"roof-window","defaultValue":"0","value":"1"}`
 - On some devices 1 means open, and 0 closed.

Task 1

Actuators

Name	Topic	Value
Roof Window	agriculture/roof-window	"1"/"0"
Irrigation System	agriculture/water-system	"ON"/"OFF"
Heat System	agriculture/heat-system	"ON"/"OFF"
Roof Sunlight Controller	agriculture/roof-lux-controller	"ON"/"OFF"

Sensors

Name	Topic	Payload
Humidity-Temperature Sensor	agriculture/temp-hum-readings	{ "node-id":"SENSOR-NODE-3-MOZIoT", "sensor": "dht11", "hum-percent": 60, "temp-C": 18, "heatindex-C": 14.712, "dewpoint": 5.555468, "timestamp": 1585673989 }
Forecasting	agriculture/forecasting	{ "latitude": 41.1611, "longitude": -8.614, "timezone": "Europe/Lisbon", "currently": { "time": 1586554471, "summary": "Sun", }

		<pre> "icon": "sun", "precipIntensity": 0, "precipProbability": 0, "temperature": 18.1, "apparentTemperature": 19.1, "dewPoint": 12.13, "humidity": 0.60, "pressure": 1022.4, "windSpeed": 1.32, "windGust": 2.66, "windBearing": 332, "cloudCover": 0.85, "uvIndex": 0, "visibility": 16.093, "ozone": 306.3 } </pre>
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Task 2

Actuators

Name	Topic	Value
Water Heater Controller	smart-home/water-heat-controller	"ON"/"OFF"
Kitchen Lux Readings (Sensor)	smart-home/lux-readings	0-100 (integer)
Kitchen Lights	smart-home/kitchen-lights	"ON"/"OFF"
Blinds Controller	smart-home/blinds-controller	"1"/"0"

Sensors

Name	Topic	Payload
Kitchen Motion Sensor	smart-home/kitchen-motion-readings	<pre> { "node-id": "SENSOR-NODE-3-MOZIoT", "sensor": "pir-motion", "motion-bool": 0, "timestamp": 1585673980 } </pre>
Forecasting	smart-home/forecasting	<pre> { "latitude": 41.1611, "longitude": -8.614, "timezone": "Europe/Lisbon", "currently": { "time": 1586554471, </pre>

		<pre>"summary": "Rain", "icon": "rain-day", "precipIntensity": 0, "precipProbability": 0, "temperature": 18.1, "apparentTemperature": 19.1, "dewPoint": 12.13, "humidity": 0.60, "pressure": 1022.4, "windSpeed": 1.32, "windGust": 2.66, "windBearing": 332, "cloudCover": 0.85, "uvIndex": 0, "visibility": 16.093, "ozone": 306.3 } }</pre>
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